Index of Claims

| Applic | ation/C | ontrol | No. |
|--------|---------|--------|-----|
|--------|---------|--------|-----|

10/537,952 Examiner

Applicant(s)/Patent under Reexamination

AMATO, JOSEPH M

Art Unit

Tung X. Nguyen

2829

Rejected Allowed

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| | Restricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Claim Date Image: Section of the content of the co | | Date | | |
|--|----------------|--------------|--------|---|
| | | | | |
| 1 2 3 1 4 1 5 53 5 55 6 55 6 55 7 56 7 58 9 59 10 60 11 61 12 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 74 25 75 26 76 27 77 28 79 30 80 31 81 | | | | |
| 1 2 3 1 4 55 5 55 6 55 7 55 8 55 9 56 10 56 11 58 9 59 10 60 11 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 74 25 75 26 76 27 77 28 79 30 80 31 81 | | | | |
| 1 2 3 1 4 5 5 55 6 55 7 55 8 55 9 55 10 60 11 61 12 63 13 63 14 64 15 65 16 66 17 68 19 69 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 | | | | |
| 2 3 52 53 4 5 53 54 5 6 55 56 7 7 58 59 10 60 61 62 13 63 64 62 13 64 64 64 15 65 66 67 18 68 69 69 20 70 71 72 23 73 74 74 25 76 77 78 29 79 30 80 31 81 81 | | | | |
| 3 4 5 54 5 55 6 55 7 56 7 58 9 59 10 60 11 61 12 63 13 63 14 64 15 65 16 66 17 68 19 69 20 70 21 71 22 73 23 73 24 74 25 76 27 77 28 79 30 80 31 | | | | Г |
| 4 5 5 5 6 55 7 56 7 55 8 55 9 55 10 60 11 61 12 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 73 23 73 24 74 25 76 27 77 28 79 30 80 31 81 | | | | Γ |
| 5 6 7 56 7 56 8 57 8 58 9 58 10 60 11 61 12 63 13 63 14 64 15 65 16 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 79 30 80 31 81 | | | | Γ |
| 6 7 7 8 9 58 10 60 11 61 12 63 14 64 15 65 16 67 18 68 19 69 20 70 21 71 22 73 23 74 25 76 27 78 29 79 30 80 | | | \neg | Γ |
| 7 | | _ | , , | Γ |
| 8 9 10 60 11 60 12 62 13 63 14 64 15 65 16 67 18 68 19 69 20 70 21 71 22 72 23 74 25 75 26 76 27 78 29 80 31 81 | | | | Ī |
| 9 10 60 61 62 63 64 65 66 67 67 68 69 69 70 71 72 73 74 75 75 76 77 78 79 30 31 31 81 81 81 81 81 81 | \blacksquare | | | |
| 10 | | | П | Γ |
| 12 | 1 | | | Ē |
| 12 | | | | Ĺ |
| 14 64 15 65 16 66 17 66 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 78 29 79 30 80 31 81 | | | | Ĺ |
| 14 64 15 65 16 66 17 68 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 79 30 80 31 81 | | \prod | | |
| 16 66 17 68 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 | | \Box | | Ĺ |
| 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 | | | | |
| 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 | | | | Ĺ |
| 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | | Γ |
| 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | П | Γ |
| 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | \Box | | |
| 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | | П | Γ |
| 25 75 26 76 27 77 28 78 29 79 30 80 31 81 | | Г | П | Γ |
| 26 76 27 77 28 78 29 79 30 80 31 81 | | Т | П | Γ |
| 27 | | T | П | Γ |
| 28 78 29 79 30 80 31 81 | | T. | П | Γ |
| 29 | | | | |
| 31 81 | | | | |
| 31 81 | | | | |
| | | \prod | | Γ |
| 32 82 | | П | | Γ |
| 33 83 | | Π | | Г |
| 34 84 | | | | ſ |
| 35 85 | | | \Box | Ĺ |
| 36 86 | | | | Ĺ |
| 37 87 87 | | | | Ĺ |
| 38 88 | | | \Box | Ĺ |
| 39 89 | | \perp | \Box | Ĺ |
| 40 90 | | oxdot | \Box | Ĺ |
| 41 91 | | oxdot | \Box | Ĺ |
| 42 92 | | \perp | \Box | Ĺ |
| 43 93 | | | | Ĺ |
| 44 94 | | $oxed{\Box}$ | \Box | Ĺ |
| 45 95 | | L | | Ĺ |
| 46 96 | \perp | L | \Box | Ĺ |
| 47 97 | | oxdot | \Box | Ĺ |
| 48 98 | | | | Ĺ |
| 49 99 | | | | Ĺ |
| 50 100 | | | 1 | Ĺ |

| Cla | Date | | | | | | | | | |
|----------|--|--|--|--|----------|----------|--------------|--|--------------|--|
| | | | | | | | | | | |
| ā | Original | | l | | | | | | | |
| Final | rig | | | | 1 | | | | | |
| _ | O | | | | 1 | | | | | |
| | 51 | | | | - | - | \dashv | | | |
| ⊢ | 51 52 53 | | | | \dashv | - | - | _ | | |
| ├— | 52 | | | | - | -1 | _ | | | |
| <u> </u> | 53 | | | | | _ | Щ | _ | | |
| <u></u> | 54 55 | _ | | | | | | | | |
| L | 55 | | | _ | | | | | | |
| | 56 | | | | | | | | | |
| | 57 | | | | | | | | | |
| <u> </u> | 58 59 | | | | | | | | | |
| | 59 | | | | | | | | | |
| | 60 | | | | | | | | | |
| | 61 62 | | | | | | | | | |
| | 62 | | | | | | | | | |
| | 63 | | | Г | П | | | | | |
| | 64 | | | | П | | | | | |
| | 65 | | Н | Н | Н | _ | \vdash | \vdash | | _ |
| \vdash | 63 64 65 66 67 | | | \vdash | Н | | | | | |
| - | 67 | | \vdash | | Н | \vdash | | | | \vdash |
| - | 68 | | - | - | \vdash | | | \vdash | | $\vdash\vdash$ |
| | 60 | | | - | _ | | | | | Н |
| | 69 70 71 72 73 74 75 76 77 78 79 | \vdash | _ | _ | | | | | | _ |
| ļ | 70 | | _ | _ | _ | | | | | _ |
| | /1 | | | | | _ | | | | |
| | 72 | | _ | <u> </u> | Ш | | | | | |
| | 73 | | | Щ | | | | | | |
| | 74 | | | | | _ | | | | |
| | 75 | | | | | _ | | | | |
| | 76 | | | | | | | | | |
| | 77 | | | | | | | | | |
| | 78 | | | | | | | | | |
| | 79 | | | | | | | | | |
| | 80 81 | | | | | | | | | |
| | 81 | | | | | | | | | |
| | 82 | | | | | | | | | |
| | 83 | Т | _ | ┢ | _ | | | | | |
| | 84 | \vdash | \vdash | Т | - | \vdash | _ | | \vdash | \vdash |
| \vdash | 85 | | | | | \vdash | \vdash | \vdash | \vdash | |
| | 85 86 | \vdash | \vdash | \vdash | | \vdash | Η- | \vdash | \vdash | |
| | 87 | - | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | - |
| \vdash | 88 | ├─ | \vdash | \vdash | H | ├ | \vdash | \vdash | - | |
| | 89 | \vdash | - | \vdash | \vdash | \vdash | \vdash | - | | H |
| \vdash | 90 | - | ├ | ⊢ | ⊢ | \vdash | | | - | - |
| - | 24 | ├— | \vdash | \vdash | \vdash | \vdash | <u> </u> | - | \vdash | - |
| <u> </u> | 91 | ├ | - | <u> </u> | _ | <u> </u> | - | ├— | ├ | ├ |
| <u> </u> | 92 | <u> </u> | <u> </u> | \vdash | | ├ | <u> </u> | - | | <u> </u> |
| <u> </u> | 93 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u> </u> | 94 | | <u> </u> | \vdash | _ | <u> </u> | <u> </u> | <u> </u> | ├ | <u> </u> |
| <u></u> | 95 | <u> </u> | <u> </u> | | L_ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| <u></u> | 96 | | L_ | <u>_</u> | _ | <u>_</u> | L_ | L | | |
| | 97 | | | L | L | L | L | | L | |
| | 98 | | | | | | Ĺ | L^- | | |
| | 99 | L | | | | L | | | | |
| | 100 | _ | | | Г | Π | Π | Г | Г | Г |

| Claim | | Date | | | | | | | | |
|-------|-------------------|----------|--|--------------|--|----------|--|--|--------------|-----------------|
| Final | Original | | | | | | | | | |
| | 101 | | | | | _ | | | | П |
| | 101 102 | | | | | | | | | П |
| | 103 | | | _ | _ | | _ | _ | | |
| | 104 | | | | | | | | | |
| | 104 105 | | | | | | | | | |
| | 106 | | | | | | | | | |
| | 107 | | | | | | | | | |
| | 108 | | | | | | | | | |
| | 109 | | | | | | | | | |
| | 110 | | | | | | | | | |
| | 111 | | | | | | | | | Ш |
| | 112 113 | | Ш | | | <u> </u> | $ldsymbol{ld}}}}}}$ | | Ш | Ш |
| | 113 | L. | | | | <u> </u> | | | L | Щ |
| | 114 | Ш | L | | | <u> </u> | L., | | $oxed{oxed}$ | Ш |
| | 115 | \sqcup | oxdot | L | ļ | <u> </u> | <u> </u> | _ | _ | Щ |
| | 116 | \vdash | Щ | <u> </u> | | <u> </u> | | <u> </u> | <u> </u> | Щ |
| | 117 | \vdash | \vdash | <u> </u> | <u> </u> | \vdash | \vdash | _ | | Щ |
| | 118 119 | <u> </u> | | Ŀ | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | Н |
| | 119 | <u> </u> | ļ | | ļ | <u> </u> | <u> </u> | ļ_ | <u> </u> | Ш |
| | 120 | \vdash | _ | - | | | | _ | <u> </u> | Н |
| | 121 122 | | _ | | | _ | _ | | <u> </u> | Н |
| | 122 | _ | _ | | | | | | <u> </u> | $\vdash \vdash$ |
| | 123 | | _ | _ | | | | | - | Н |
| | 123 124 125 | | | <u> </u> | | | | | _ | Ш |
| | 125 | | <u> </u> | _ | - | | _ | _ | | \vdash |
| | 126 127 128 | _ | <u> </u> | - | ⊢ | ⊢ | - | ⊢ | | Н |
| | 127 | \vdash | <u> </u> | | - | _ | - | _ | ⊢ | \vdash |
| | 120 | \vdash | ┝ | ⊢ | <u> </u> | ⊢ | | _ | ⊢ | Н |
| | 129 130 | - | \vdash | ┝ | - | ├- | | \vdash | \vdash | Н |
| - | 131 | - | ⊢ | - | | ⊢ | - | - | \vdash | Н |
| | 132 | ⊢ | | - | | \vdash | \vdash | - | ⊢ | \vdash |
| | 132 133 | - | - | - | - | \vdash | \vdash | ⊢ | - | \vdash |
| | 134 | - | | ├ | ├─ | ┢ | - | \vdash | 1 | Н |
| | 135 | \vdash | | \vdash | ┢ | H | H | | \vdash | \vdash |
| | 136 | t | | | \vdash | | \vdash | \vdash | \vdash | H |
| | 137 | T | | | T | | T | | T | H |
| | 137 138 | t | | lТ | | Ι | | Г | Г | П |
| | 139 | | <u> </u> | | | | | Г | T | П |
| | 140 | | Γ | Γ | Г | | | | Г | П |
| | 141 | | | | | | | | L | |
| | 142 | | | | | | | | | |
| | 143 | | | | | | \Box | | | |
| | 144 | | | | | | | | | |
| | 145 | | | | 匚 | | | 匚 | | |
| | 146 | | | | Ĺ | | | Ĺ | | |
| | 147 | | | | | | | | | |
| | 148 | | | | | | \Box | | 匚 | |
| | 149 | 匚 | ا | | | Ĺ | L | | | |
| | 150 | | | | | | \Box | | | |
| | | | | | | | | | | |